



Door & Access Systems
Manufacturers Association
International

DOOR OPERATOR & ELECTRONICS DIVISION

DASMA TECHNICAL DATA SHEET

#386

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Garage Doors and Operators Used in Entertainment Venues

Introduction

Garage doors and operators may be installed in applications where they are not intended for vehicular access. These applications include restaurants, bars, and other entertainment venues where the intended use is to separate indoor from outdoor seating or entertainment areas (some product examples are shown below). Doors used in egress applications are outside of the scope of this document.

The rationale for the selection and use of garage doors and operators for non-vehicular purposes is different from that of a traditional vehicular access door application. The size and weight of these doors combined with the environment in which they are installed necessitates that the individual responsible for a building's design consider the potential risks associated with end use of the selected door product.

This Technical Data Sheet outlines some special considerations for these cases and offers architects, end users and door dealers some guidelines for product selection and installation.

Special Considerations

Since the applications described above are not primarily intended for vehicular access, there are additional factors that may need to be considered during door system selection and installation. The following are some common factors.

1. **Door Users:** The people using these doors may be unfamiliar with the use of garage doors and operators in commercial applications.
2. **Door Operation:** Doors in these applications are typically operated at the opening and closing of a business day when the space is unoccupied. However, these doors may also be operated while patrons are on the premises due to weather, security, or other reasons.

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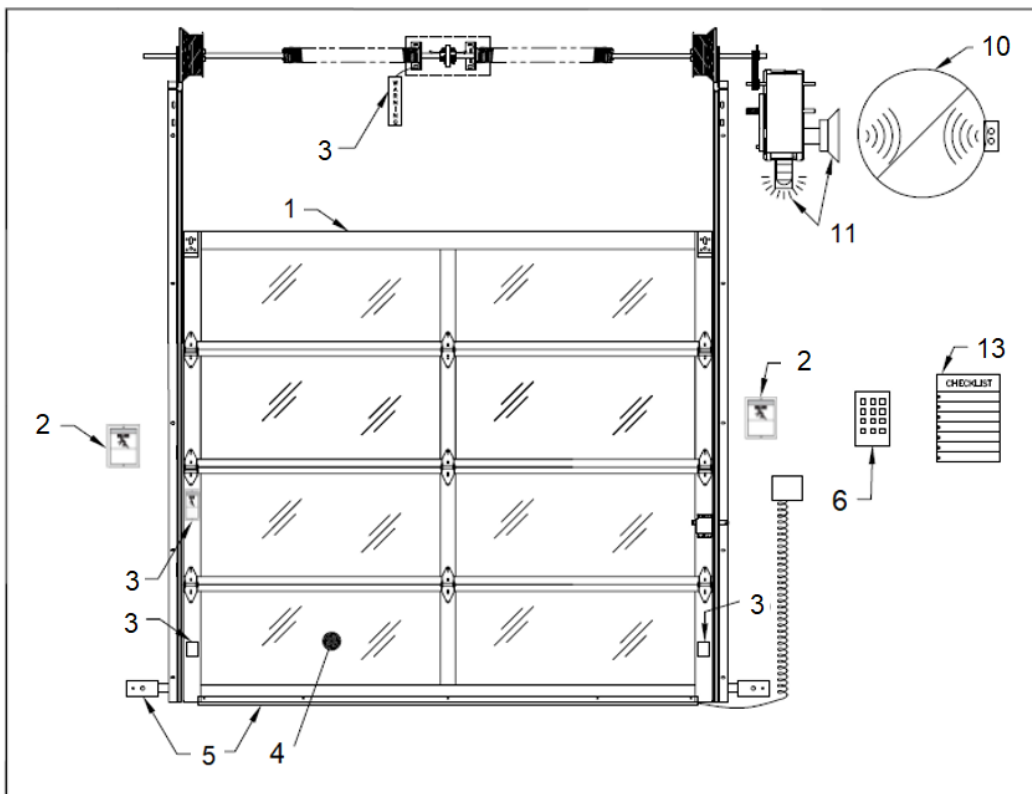
This Technical Data Sheet was prepared by the members of DASMA's Operator & Electronics Division Technical Committee. DASMA is a trade association comprising manufacturers of rolling doors, fire doors, grilles, counter shutters, sheet doors, and related products; upward-acting residential and commercial garage doors; operating devices for garage doors and gates, sensing devices, and electronic remote controls for garage doors and gate operators; as well as companies that manufacture or supply either raw materials or significant components used in the manufacture and installation of the Active Members' products.

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3. Customers: The patrons of these establishments can be of any age or physical or mental ability and may be in close proximity to these doors.
4. Facility Design and Use: Door installations may be in locations where aesthetics are prioritized. Low lighting, loud music, and improper access to controls are significant factors in these installations. Also, due to the perceived infrequent use of these doors, regular inspection and maintenance of the doors and operators may be perceived as not needing to be performed.

Recommended Practices

Some recommended practices for product selection and installation are listed below. When the door is motor operated, the commercial door operator manufacturer should be consulted about compliance with UL 325 for the operator and related items.



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1. Use a door compliant with ANSI/DASMA 102. Ask the door supplier to check with the door manufacturer for compliance.
2. For motor operated doors, provide warning signage. Place placards on both sides in the line-of-sight of a door indicating potential hazards from a moving door.
3. Provide door labels. Instructional and warning labels should be installed, and the establishment should be instructed not to remove or paint over the labels and to replace them if they fade or are damaged. The labels advise that the doorway should be kept clear (see Fig. 3 for example).
4. Use tempered glass or polycarbonate for glazing. If clear view panels are used for the panel sections, use tempered glass or polycarbonate glazing for added protection when the door is in the closed position. Tempered glass will have an etched label for identification.
5. For motor operated doors, use entrapment protection that complies with UL 325. Entrapment protection options include photoelectric eyes, edge sensors, and constant contact operation. Consult the door and operator manufacturer or refer to the operator manufacturer's instruction manual for suitable entrapment protection devices.
6. Limit access to controls. Provide suitable control lockouts to prevent access by the general public and unauthorized individuals.
7. Pull Rope. For manually operated doors, keep the pull rope out of reach of children when the door is open. Pull ropes are not to be used on doors that are motor operated.
8. Chain hoist. For chain hoist operated doors, secure the chain in a chain keeper to prevent unauthorized door operation.
9. Ensure proper balance. The door should not fall under its own weight from any position in its travel other than near the floor.
10. For motor operated doors, do not allow remote or unattended operation. Operation should only be performed by a wall mounted control where the door and surrounding areas are in clear sight.
11. For motor operated doors, provide warning alarms before door movement. Audio and visual alarms may be employed to warn of door movement.

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12. For operators with a manual release, keep the release handle out of reach of children.
13. Perform regular maintenance and inspection. A trained door systems technician should inspect and test for proper door operation per the manufacturer's maintenance instructions.
14. Consult door and operator manufacturers. Discuss the application with the door and operator manufacturer for additional features and options.



Figure 1: Counter-level Doors

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Figure 2: Floor-level Doors



Figure 3: Doorway must be kept clear

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